Caledonian

Data Cables

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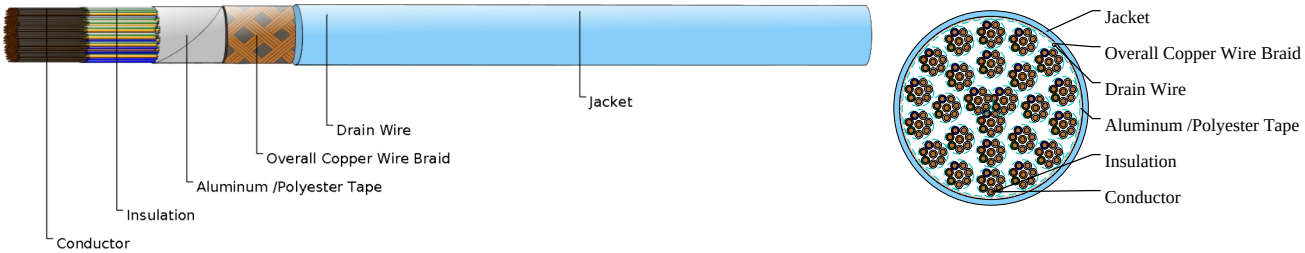
Enhanced Category 5 Multipair Cables

Cat5E SF/UTP



APPLICATIONS

10Base-T, 100Base-T4, 100Base-TX, 100Base-VG-ANYLAN, 155Mbps ATM, 622Mbps ATM, 1000Base-T

PRODUCT DESCRIPTION

Product Highlights:
Provide excellent bandwidth beyond 200 MHz
Designed for use in data and voice backbone application
Meet the strict flame retardancy and environmental requirements in Europe and US
Easily identifiable color code for ease of installation
Different jacket options available for choice

STANDARDS

ISO/IEC 11801
ANSI/TIA/EIA-568-B

APPROVALS

E222756

CABLE CONSTRUCTION

Conductor:24AWG Solid Plain Copper
Insulation:PE
Screen:Overall Aluminum Tape Screen & Copper Wire Braid
Drain Wire:1/0.5 mm
Assembly:100 Pairs
Jacket:PE/PVC/LSF/LSZH

PHYSICAL AND THERMAL PROPERTIES

Working Frequency:1-100MHz
Technical Parameters:
Characteristic Impedance: 100±15Ω
Nominal Velocity of Propagation(NVP): 69%
Maximum DC Resistance: 9.38Ω/100m

Maximum Mutual Capacitance: 5.6 nF/100m
Maximum Capacitance Unbalance: 330 pF/100m
Maximum Resistance Unbalance: 5%
Maximum Propagation Delay Skew: 30 ns/100m
Maximum Propagation Delay: 536 ns/100m@100 MHz
Minimum Bending radius: 10 x Overall Diameter
Voltage Rating: 60V rms
Maximum Pulling load: 80N
Working Temperature: -20 ℃ ~ +60℃
Storage Temperature: -5℃ ~ + 50℃
Flame Retardancy: UL 1581 (CM Jacket); UL 1666 (CMR Jacket); UL 910 (CMP Jacket); IEC 60332-1 (FRPVC & LSZH Jacket); IEC 60332-1 & IEC 60332-3C (LSFROH Jacket)

DIMENSION AND PARAMETERS

Cable Construction	No. of Pairs	No./Nominal Diameter of Strands	Nominal Diameter over Insulation
		no./mm	mm
SF/UTP	100	1/0.5	0.86